

WHAT IS CLAIMED IS:

1. A magnetic material comprising:
 - a CoPt- or FePt-alloy magnetic material obtained according to plating,
wherein at least one element of Cu, Ni and B is contained in said alloy magnetic material with an atomic percent equal to or more than 1 % and equal to or less than 40 %.
2. A magnetic material according to Claim 1, wherein said CoPt- or FePt-alloy magnetic material obtained according to plating contains Ni, and at least one element of Cu and B with an atomic percent equal to or more than 1 % and equal to or less than 30 %.
3. A magnetic material according to Claim 1, wherein said magnetic material comprises an L1₀-ordered alloy.
4. A magnetic material according to Claim 1, wherein said magnetic material has a coercive force equal to or more than 3 kOe.
5. A magnetic recording medium comprising:
 - a magnetic material according to Claim 1 filled in pores having a diameter equal to or less than 100 nm.
6. A magnetic recording/reproducing apparatus using a magnetic recording medium according to Claim 5.

7. An information processing apparatus to which a magnetic recording/reproducing apparatus that uses a magnetic recording medium according to Claim 5 is connected.

8. A method for manufacturing a magnetic material in which at least one element of Cu, Ni and B is contained in a CoPt- or FePt-alloy magnetic material, said method comprising:

a step of depositing a magnetic material in which at least one element of Cu, Ni and B is contained in a CoPt- or FePt-alloy magnetic material with an atomic percent equal to or more than 1 % and equal to or less than 40 %, from a plating solution; and

a step of transforming the deposited magnetic material into an L1₀-ordered alloy according to annealing at a temperature equal to or lower than 500 °C.

9. A method according to Claim 8, wherein said step of depositing a magnetic material in which at least one element of Cu, Ni and B is contained in a CoPt- or FePt-alloy magnetic material with an atomic percent equal to or more than 1 % and equal to or less than 40 % comprises a step of depositing a magnetic material in which the CoPt- or FePt-alloy magnetic material contains Ni, and at least one element of Cu and B with an atomic percent equal to or more than 1 % and equal to or less than 30 %.